MINES, MINING, LOCAL STOCKS AND COPPER

Production at Capacity is Record for Local Mines This Week

With Resumption of Oliver and the Placing of More Labor in Copper Queen Property, Record of Previous Years in Production for the Warren District Promises to Be Outdone By a Considerable Margin; District Is Very Good.

Copper Queen Will Start Concentrating the Sacramento Shaft in Next Few Days; Will Continue to Use Hoist While Work Is Being Done: Test Section has Shown How Work Can Be Carried Out Successfully; C. &A.'s Fine Showing.

Disbee and the Warren District may be classed as among the most prosperous places in the entire country. The three large companies, operating here, are practically back on their old standards of production and prosperity is the key note of it all.

Copper Queen has been slowly adding men whenever there became room for them and by iomorrow the ore production will have reached as high, or a blitter point than at any time in its history;

That the Copper Queen company has the interests of the community at heart is illustrated by its announced intentions of constructing a baseball ground for the boys of the community on a vacant lot between the Holbrook shaft and the mine office formerly occupied by a pile of timbers. The ground will be properly graded and fenced off and a first class diamond put in. This generous action on the part of the Copper Queen will meet a most urgent need of the juvenile element which has been without sutiable opportunity to indulae in the national pastime.

WILL CONCRETE SACRAMENTO.

It has been definitely decided that the Sacramento central holating shaft will be concreted from the 1700 level to the surface, making it a fire-proof shaft. The work will commence as soon as the material already ordered, artives. It is anticipated that 60 days will be required to complete the work.

A preliminary test made in this shaft proved that the work could be executed in a satisfactory matter, according to plans already completed, both from the standpoint of expense and workmanship. Concrete to the extent of 25 feet was put in and found satisfactory and within the estimate of cost.

A novel feature of this work is that it will be the first instance of a shaft being concreted and, at the same time, kept producing. There is no record of any shaft ever having been concreted and kept in operation; so, if this can be done, it will mark an era in shaft concreting. Officials express complete confidence that this feat will be carried out perfectly.

This record achievement is made possible by the type of form adopted in concreting the shaft. After the concrete is put in place, all that become necessary will be to connect the stringers in the shaft and proceed to the work of hoisting. The concrete will be dropped through a 4-inch pipe and blown into place by compressed air.

Another novel feature is that the work will be done from skips and cases, no platforms being put in the shaft. Storage bins will be built for sand and rack at the mouth of the adit level. From these bins the sand and rock will be conveyed to the mixer and dropped down the shaft. The work will be prosecuted in three places in the shaft, the 600 level, 1200 and 1700 level.

George Meyers, chief master mechanic, will be in charge of the operations in the Sacramento. Meyers is extremely expert on concrete work. The quarry will be opened behind the Spray mine and a crusher plant installed to crush rock for the concrete.

CONVEYING SYSTEM COMPLETED.

A conveying system has just been completed on the central sawmill which carries all the timber, as'it arrives from the mill, to the railroad cars for distribution. Another sharpening machine has been installed at the central drill sharpening plant, thus making this one of the most efficient in any mining community.

At the Uncle Sam a new steel head frame has been completed and a new steel engine house is in process of construction. The bed for the new hoist has been put in and it is expected that the hoist will be ready for operation

At the Czar shaft auxiliary skips will be installed under the cages for holating wastes and lead-silver ores, of which there is a large tonnage in the Czar and Southwest. These should be in operation in about 30 days.

All the mine buildings at the Lowell are being painted and the foreman's

office remodeled and moved to new quarters. C. & A. LOOKS FINE.

Thanks to record-breaking time in shipment of necessary machinery from Michigan, C. & A. will be able to open the Oliver shaft earlier than was expected. It will open up this week with at least a hundred men, and ship-

ment will begin toward the week end. C & A will then be employing no less men, and its ore production will be no less than in the hey-day of the most prosperous times ever experienced

For the month of April the company's production was 4,339,496 pounds, while for May the production was more than 5,700,000 pounds, a record for for their own advantage. The admis- somment in the Arisona state penitenwhile for May the production was more than 5,700,000 pounds, a record to for their own advantage. The advantage that students wishing to take allied the company. With the increased to increased the company was operating at about because they came from men not imby the city police. He was charged subjects take them consecutively. A days with pretty girls who are spend which indicate the mining pay ore in half normal capacity, so that at the present time Calumet & Arizona, on the plicated in the charges being investi- with carrying a pistol when taken to student whose chief aim is prospect- ing their vacations in Bishee. Among large tonnase within a few months. prices now quoted for copper, must be earning fully \$12 per share per annum. gated by the court of inquiry. This is an extraordinary time in copper mining, however, and the big price This is an extraordinary time in copper mining, however, and the big price third class said he thought half the cannot be viewed as a permanent one, although it bids fair to continue for a class might be parties to receiving the courses thirteen to sixteen. One in the class said he thought half the chanical end of mining should take erine Hoy, Gladys Woods and Edith foot compressor, a 75-horse power motor, a 360-cobic compressor, a 75-horse power courses thirteen to sixteen. One in the class said he thought half the chanical end of mining should take erine Hoy, Gladys Woods and Edith foot compressor, a 75-horse power motor, a 360-cobic compressor, a 75-horse power motor. cannot be viewed as a permanent one, although it bids fair to continue for a class might be parties to receiving pistol, a beit tilled with cartridges terested in the extraction of metals and using stolen information. Has and a scabbard. According to papers should take courses six to nine, or one will not end for a year or more according to the best authorities, there will be Wyman disagreed with his classmate in his pocket he was sentenced to the preparing for a position as shift boss enburg. Frank Duval and Maynard stalled at the main working shaft on a big demand for the metal. Germany will have been completely exhausted as to balf the class and said he would as to balf the class and said he would have been completely exhausted as to balf the class and said he would have been completely exhausted as to balf the class and said he would have from ten to thirteen, and Newman drove out to the Buachucas the estate of the Oatman Gold Mining not do so unless in the "wooded" or cruor Hunt. Other papers he carried field will be used largely as a laboration of the party time the necessary nine buildings are able. Germany is the greatest user of copper in times of peace, and she will low mark section and needed help to showed that in 1886 he was a brake tory and the work will be as practical and Mesdames Coles and Newman con being cracted. The property lion

(Centinued on Fage Two.)

PROMINENT NEW YORKERS CONTRIBUTE TO FUND FOR BIGGER NAVY CAMPAIGN



Left to right, top: E. H. Gary and Jacob H. Schiff; bottom, J. Pierpont Morgan and James Gordon Bennett.

Many men of national prominence have contributed liberally to the fund which is being raised to push the campaign for a \$500,000,000 naval appropriation by the next congress "to provide the United States with what it has already paid for but never received—an adequate may," Among those who have given \$1,000 or more are J. Pierpont Morgan, Elbert II. Gary, Jacob H. Schiff, and James Gordon Bennett, the New York editor,

KNOW THY COUNTRY

I-Introductory

room, office, farm and shop in this na- his magic mind broke the shackles weeks to three months short course tion. No man can aspire to a higher that enslaved labor of generations yet endeavors to cover the whole field of honor than to become a capable citi- unborn, and gave mankind freedom mining within that time tinguished a title until he is well in race into a higher zone of life. formed of the resources, possibilities and achievements of our country.

illization is bearing its most golden flag upon every continent washed by are prepared only for intensive trainfruit in America. We are noted for the ocean's waves, and to make foot-ing. It is unusual to find men that for her astronomy and Rome for her laws. Likewise we have men who will go down in the world's history as powerful products of their age. For standing at the source of every gigantic of Gibraltar. movement that aways civilization is a great man. The greatest minds travel in the greatest direction and the com-

As Michael Angelo took a rock and with a chisel hewed it into the image of an angel that ever beckons mankind upward and onward. Hill took

in, and no one can merit so dis- from drudgery, and lifted the human fore, a group of lectures covering

cashier's windows, the nations of the terested in underground work but not earth to our discount deaks and placed in milling practice. under the industries of this nation a financial system as solid as the Rock

WOULD USE INFORMATION.

make a passing mark.

PAID RESPECT TO POLICE

ANNAPOLIS, June 19.—Two naval EL PASO, June 19.—J. R. Wimber, care of rock drills, electricity applied academy midshipman admitted that who carries papers on his person ing gas engines, cost accounting and that under certain conditions they showing that he is at present a par management, and copper smelting held at the Army Pavillon on June 26, and at the same time the shaft will would use stolen examination papers oled convict sentenced to life impri- practice. the station. According to the police ing should take the first five or six others are Misses Florence and Bar. The machine equipment consists of Daniel Appleton of the former he cursed the whole force and almost courses. One interested in the me- bara Warkins, Gladys Hodgson, Cath- a 56-horse power motor, a 350-cable

COLLEGE HAS

Field Work, Short Courses and Opportunity of Employment Are Features Which Cannot Be Excelled Elsewhere.

TUCSON, June 19. Plans for sev eral statutes which are unique in the mining educational world, and which are certain to add materially to the prestige and importance as well as o the attendance of the College of Mines of the University of Arizona have recently been announced by Professor Willis of that school. Three of the new features planned are no only unique, but of such a nature that they can not be carried out as suc cessfully at any other school of minein this country, and they are such that they should, during the next few years, aid in placing the local institu tion in the front rank of technica

These three features, which will add materially to the practical use fulness of the local school and attract a large number of students from al parts of the country, are: Fleld work for Senior students, occupying half of the time spent in the fourth year of the course, and an arrangement with the mining companies of the state whereby positions are practically guaranteed graduates of the school as well as summer positions for the

Three Years' Investigation.

The plans for these new departure have been announced after three years of investigation and considera tion on the part of Professor Willis and with the co-operation and approval of both Dr. Wilde and President von KleinSmid in explaining the new system of abort courses, Professor Willis said:

"Many schools of mines have give short courses but these courses do lit "Know America" is a slogan that a bar of fron and bent it into knowledge, which of course, is a dethould ring out from every school a reaper and with one sweep of sirable objective. The usual two bare outline of the whole industry As Nelson organized the English navy with no complete knowledge of any and made England mistress of the sea, one subject or any one branch of the This is a commercial age and civenabling the British isles to plant her usually given to men whose minds our industrial achievements as Egypt stools of the Islands of every water. are interested in all branches of minwas noted for her pyramids; Jerusa- Morgan organized a banking system ing, being interested possibly in proslem for her religion; Greece for her that has made America master of the pecting but caring nothing about the art; Phoenicia for her fleets; Chalden world's finances, brought Kings to our vagaries of rock drilling; or being in-

Short Course Planned.

"With the idea of correcting this fault there is to be given at the Ari-There is no study quite so interest zona College of Mines eighteen two have been the sculptors, poets, phil. so inspiring as civilization in action, two weeks with the theory and prac- ly reopen their properties. osophers, architects, and artists of A full realization of America's part in tice, lecture and laboratory, and with the desert of the Northwest and with cultural and Commercial Press Ser- spend two, four, six, eight or any numrose, dotted the valleys with happy permitted to study America; her ag- tinetly related to the course both be- expended. smithing, mine timbering, practical appealed to Washington with the re- north and south mining other than underground, prac- suit aboue given. tical underground mining, use and

Practical Course.

man on the Texas & Pacific railway, (Continued on page 2)

THANKED BY CZAR



Miss M. F. Farley (top) and Miss M. F. Bowman.

The Misses M. F. Farley and M. F. Bowmen, Red Cross nurses, have just arrived in San Francisco, completing a trip around the globe after caring for wounded soldiers in Russian army army bospitals. Shortly before they left Russia the Crar thanked them ersonally for their work in behalf

Parts of Old Mexico.

resulted, in turn, in pressure being way he kept up to the plendld standprought upon Carranza and Villa with ard of efficiency and production which the result that they recently abrogat- has characterized it under the preed their proclamations of last March | sent management. placing a prohibitory tax rate on Mining at great depth is to feature

Cavalry stationed at Douglas, have Mining and Milling company will be and a number of Blabee people have be unwatered and mining operations been recipients of invitations.

tinue in the mountains.

Big Datman Mine Handled 46 .-995 Tons at Net Profit of \$12.11 for Every One; Large Tonnage Still in Sight.

(By William P. De Wolf.) OATMAN, June 19 .- During the fisend year ending March 31 last, the Tom Reed Gold Mines company mined and milled 46,995 tons of ore of an average value of \$21.33 per ton, uscording to the sixth annual report of the company, just issued. The gold recovered totaled \$1,002,400,26, the tally being approximatel, indertical with the forecast made by your correspondent in his disputches of soveral weeks and covering the annual meeting of the Tom Reed stockholders. Mining: milling, administration and depreciation charges totaled \$9.21 per ton, leaving the company a net profit of \$12:11 on every ton of ore

The report of Mine Manager S. S. lones conforms in every essential particular to the resume of mining and milling conditions as set for h inlate April dispatches from this camp. and indicates that the physical condition of the mine is on a par with its standing in previous years. Dividends for the last fiscal year totaled 61 cents on the 909,555 shares out standing, the total disbursement home \$554.828.55. Since September 1910 the company has paid fifty-seven dividends totaling \$2,401,310,73, or \$2.61 per locued share. This num rapresents approximately Physican per altare per month for a period of near-

Large Tonnage in Sight. In the mine stopes there are 20,000 ons of ore broken down and awaiting reduction. This ore has the same ceneral average value as that milital furing the last discut year ore tourage in sight sufficient to American Mines Owners in Mexi- keep the company's 20-stamp mill in co Said to Have Been Respon- years. This ore reserve will, of continual operation for the next two sible for Lightening Taxes in course, be drawn upon throughout the current fiscal year. At the same time, however, new pre peserves will Influence brought to bear in Wash be established as development work agton upon the administration has progresses and the mine in every

nines and an export duty upon all future development work and to that minerals which was declared by min- and an electric holst of 150-horse powers to be dittle less than confiscatory, or has been installed. It has holsting For this reason. Sonora mining men capacity from a depth of 2000 feet. ing as progress; no sound so magic weeks short courses, each subject to have once again taken beart and The main shaft has a depth of 950 mercial geniuses of this age would as the roar of industry and no sight be given alone and intensively for when conditions allow will undoubted feet. At that level, however, a winze has been sunk a depth of 125 feet. Under the ruling abbrogated each which gives the mine a mean working the great events of the world past, work in the necessary milliated sub- side claimed the right to the mineral depth of 1975 feet. On the lower levpresent and future will thrill every jects. Thus one subject can be thore taxes and all those not paying were el a large body of high grade milling human heart with pride, patriotism oughly covered by the student. Affil- to have their mining properties con- ore is being worked which is adding and faith in Republican institutions, jated subjects may follow each other facated. This would have meant the materially to the gold output from Through the courtesy of the Agri- in regular order and the student may payment of double tax or the loss of the property. Though medium of levmany mining properties upon which els, drifts and crosscuts the continu bands of steel made it blossom like a vice, the readers of this paper will be ber of weeks, each course being dis- millions of foreign capital had been ity of this ore body has been proven from a depth of 350 feet to a depth homes and built cities in waste places. ricultural, manufacturing and min- fore and after it. Instruction will be Locally, it is understood, mining of 1075 feet. Research has also de-As Guttenberg took blocks of wood eral development, mercantile, bank given in the following order: Ele- people refused to pay the confiscatory monstrated that better ore is found and whittled them into an alphabet ing and transportation systems which mentary minerology and blowpipe an taxes and awaited eventualities. How below the contract of the new and the and made a printing press that are the wonder of the world. The alysis, elementary surveying, element ever, no seizures of proporties by old andesite than elsewhere in the flashed education across the con- first article of the series will deal tary geology and petrography, field either faction were made, it is under- workings. The shaft is now to be tinent like a ray of light upon with transportation and will appear geology, prospecting, assaying, cyan- stood. The El Paso branch of the sunk to a depth of 1250 feet, where idation, concentration, mine black. Mexican Mine Owners, association the ore bodies will be opened to the

> Installing Machinery The new electrical plant beton tu-The officers and ladies of the Ninth stalled at the property of the Orien resumed. In the latter connection it can be stated that mine developments Bisbee's streets are crowded these will be prosecuted under conditions double drum holst and a completement of air pipes, rails, cors. etc.

(Continued on page 2)